



**Department of Environmental Services
Waste Management Division
Solid Waste Compliance Section**

SOLID WASTE LANDFILL INSPECTION REPORT

FACILITY INFORMATION:

FACILITY NAME: _____

ENV-WM 302.04 PERMIT #: _____

PERMIT TYPE: Standard: ____ Temporary: ____ Permit-by-notification: ____

Research and Development: ____ Emergency: ____

FACILITY LOCATION: _____

DATE OF INSPECTION: _____ TIME OF INSPECTION: _____

NATURE OF INSPECTION: Routine: ____ Re-Inspection: ____

Requested: ____ Complaint: ____

INSPECTOR: _____

I. ADMINISTRATIVE ORDER(S):

A. Administrative Order outstanding from NHDES to landfill permit holder:

Yes: ____ No: ____

B. Identification number(s) of Administrative Order(s): _____

C. Date(s) Administrative Order(s) issued: _____

D. Violations noted: _____

E. Status of compliance with Administrative Order(s): _____

II. DESIGN AND CONSTRUCTION REQUIREMENTS:

A. LINER SYSTEM: Double: ____ Single: ____ Unlined: ____
 Clay: ____ Synthetic: ____ Composite: ____

	Yes	No	N/A
B. Leachate Collection System:			
C. Leak Detection System:			
D. Groundwater and Surface Water Monitoring System:			
E. Stormwater Management System:			
F. Decomposition Gas Control System:			
G. Gas Monitoring System:			
H. Facility Structures (As necessary to house, maintain and repair equipment and supplies, and to accommodate the needs of facility personnel relative to shelter, sanitation and communications):			
I. Comments:			

III. UNIVERSAL ENVIRONMENTAL PERFORMANCE REQUIREMENTS:

	Acceptable	Unacceptable	N/A
A. The Facility and practices shall not cause a discharge of pollutants into surface waters of the United States or the state in violation of Section 402 of the Federal Clean Water Act. [Env-Wm 2702.02(a)]			
B. The Facility and practices shall not cause a discharge of dredged material to waters of the United States in violation of RSA 482-A or Section 404 of the Clean Water Act. [Env-Wm 2702.02(b)]			
C. The Facility and practices shall not cause a non-point source of pollution that contravenes the requirements of an areawide or state wide water quality management plan under Section 319 of the Clean Water Act. [Env-Wm 2702.02(c)]			
D. The Facility and practices shall not contaminate surface water or groundwater in violation of federal or state law, any rules implemented by the Department or any administratively-attached board, or the conditions			

	of any permit issued by the department or any administratively-attached board. [Env-Wm 2702.02(d)]			
		Acceptable	Unacceptable	N/A
E.	The Facility and practices shall not cause air pollution in violation of federal or state law, any air quality rules implemented by the Department or the conditions of any air quality permit issued by Department, or the New Hampshire state implementation plan under the Clean Air Act. [Env-Wm 2702.02(e)]			
F.	The Facility and practices shall not cause concentrations of explosive gases such as methane to exceed 25% of the LEL of the gases in any structure, excluding facility-related gas recovery equipment, or to exceed 50% of the LEL of the gases at the property line. [Env-Wm 2702.04(a)]			
G.	The Facility shall be operated in a manner that minimizes the risk of fires and provides the ability to deal with them effectively when they occur. [Env-Wm 2702.04(b)]			
H.	Facilities that manage putrescible waste and are located within 10,000 feet of any airport runway used by turbojet or within 5,000 feet of any airport runway used by only piston-type aircraft shall be operated in a manner that minimizes the risk of attracting birds that may be hazardous to aircraft. [Env-Wm 2702.04(c)]			
I.	The Facility and practices shall protect all waste storage, handling and disposal areas against impact from the 100 year flood. [Env-Wm 2702.05(b)]			
J.	Comments:			

IV. UNIVERSAL OPERATING REQUIREMENTS:

		Yes	No	N/A
A.	The facility does not exceed the capacity limits specified in its permit. [Env-Wm 2705.01(a)]			
B.	The facility is operated in a manner consistent with the design limitations of the facility and associated equipment. [Env-Wm 2705.01(b)]			
C.	Facility equipment is operated and maintained in conformance with manufacturer specifications and recommendations unless otherwise allowed by the Solid Waste Rules. [Env-Wm 2705.01(c)]			
D.	The facility, including associated equipment, containers and vehicles, is operated and maintained in a manner that controls to the greatest extent practicable: 1) dust, 2) litter, 3) insects, 4) odors, 5) vectors, 6) spills, 7) production of leachate, 8) fire hazards including spontaneous combustion, 8) the generation of methane and other hazardous or explosive gases, 9) noise and 10) nuisances. [Env-Wm 2705.01(d)]			

E.	The Permittee regularly inspects, monitors and maintains the facility to assure compliance with the permit and Solid Waste Rules. [Env-Wm 2705.01(e)]			
		Yes	No	N/A
F.	The Permittee executes facility repairs and corrects, abates and remediates facility operating problems in a timely manner and as directed by the Department in conformance with the Solid Waste Rules. [Env-Wm 2705.01(f)]			
G.	Unauthorized use of the facility is prohibited by regularly inspecting the waste received and managed by the facility. [Env-Wm 2705.02(b)]			
H.	Facility operations are conducted in a manner that does not allow incoming or exiting vehicles to obstruct the safe passage of traffic on any public road leading to and from the facility. [Env-Wm 2705.03(a)]			
I.	Facility operations are conducted in a manner as to accommodate on-site traffic flow in a safe and efficient manner. [Env-Wm 2705.03(b)]			
J.	Comments:			

V. OPERATOR CERTIFICATION:

NAME	CERT. NO(S).	LEVEL(S)	EXPIRATION DATE(S)

		Yes	No
A.	Facility operator(s) is capable of efficiently operating and maintaining the facility in a manner which is protective of the environment, public health and safety. [Env-Wm 2705.06(a)]		
B.	All persons who operate the facility are certified by either issued certification or interim certification. [Env-Wm 2705.07(b)(1)]		
C.	For every 1 to 5 operators, there is at least one supervisor who shall be certified as a Level III or Level IV Operator. [Env-Wm 2705.07(b)(2)] Name of Supervisor: _____ Number of Employees: _____		
D.	During the hours of operation, at least 50% of the on-site personnel directly involved with the management of solid waste shall be operators certified by issued certification. [Env-Wm 2705.07(b)(3)]		
E.	Current operator certification certificates, obtained pursuant to the provisions of Env-Wm 3300,		

are prominently displayed at the facility. [Env-Wm 2805.05(e)]		
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F.	Comments:
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VI. REPORTING/RECORDKEEPING:

		Yes	No	N/A
A.	The Permittee reported to the Department all incidents or situations at the facility which involved an imminent and substantial risk to human health, safety or the environment and/or which constituted a violation of the Solid Waste Rules or the facility permit. [Env-Wm 2705.09(a)]			
B.	The Permittee reported to the Department complaints made by abutters or other third parties which involve operating conditions or practices having the potential to adversely effect human health, safety or the environment or which involve a recurring or persistent nuisance situation such as 1) noise, 2) litter, 3) odor, 4) dust or 5) vectors. [Env-Wm 2705.09(d)]			
C.	The Permittee maintains in a secure location, records of out-of-state waste disposed at the facility. [Env-Wm 2705.10(c)] Out-of-State waste received: _____			
D.	The permittee compiles and maintains records at the facility which document all phases of facility operations: [Env-Wm 2805.06(a)]			
1.	Does the facility have a scale: If no, how is volume or weight determined? _____ _____ _____			
2.	Quantity, type, source and destination of all waste received by the facility. Waste quantity accepted: _____ _____ _____ _____ Waste types accepted: _____ _____ _____ _____ Source(s) of waste accepted: _____ _____ _____ _____			

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3.	Quantity, type and destination of all waste generated by the facility, if any, including bypass waste and residual waste. Leachate generated: -----			
4.	Quantity, type and destination of all certified waste-derived products produced by the facility, if any.			
5.	Record of inspections, maintenance, and repairs.			
6.	A record of accidents, violations, remedial and emergency event response actions.			
		Yes	No	N/A
7.	Record of complaints received and related response actions.			
8.	Data from all environmental monitoring performed at or for the facility, whether required by the Solid Waste Rules or the permit or undertaken voluntarily.			
E.	Operating records are maintained at the facility at all times during the active life of the facility, unless approval is granted pursuant to the provisions for a Type V permit modification in Env-Wm 315 or a waiver to relocate or destroy the record. [Env-Wm 2805.06(b)]			
F.	Operating Records were available for Department inspection and copies have been provided to the Department pursuant to Env-Wm 3700. [Env-Wm 2805.06(c)]			
G.	Permittee has filed the annual facility report for the prior calendar year. Env-Wm 2805.07(b)]			
H.	The Permittee has filed groundwater and surface water monitoring reports. [Env-Wm 2506.08(f)]			
I.	The Permittee has filed quarterly solid waste reports. [Env-Wm 2506.08(g)]			
J.	Comments:			

VII. INTERACTIONS WITH SOLID WASTE DISTRICTS:

		Yes	No	N/A
A.	The Permittee has annually communicated with the host solid waste management district. [Env-Wm 2805.12(a)]			
B.	Comments:			

VIII. ACCESS CONTROL:

	Yes	No	N/A
A. The perimeter of a facility site is fenced in a manner as to restrict unauthorized access to the facility, except no fence shall be required if natural site features restrict access to the site, or all waste handling, storage and disposal areas at the facility are wholly contained within locked structures or devices when the facility operator is not present. [Env-Wm 2803.03(a)]			
B. Weather resistant signs, which state that access is restricted, are posted around the perimeter site wherever fencing is not required. [Env-Wm 2803.03(b)]			
C. The lawful access points to the facility are secured by locked gates or the equivalent during times when the facility operator is not present. [Env-Wm 2803.03(c)]			
D. Comments:			

IX. SURROUNDING PROPERTIES:

	Yes	No	N/A
A. The facility incorporates features to minimize adverse impacts, if any, to surrounding properties, such as the use of stockade fencing where appropriate to shield waste storage and handling areas from view and to control the off-site transport of dust and windblown litter, and the use of landscaping berms or other vegetation for similar purposes. [Env-Wm 2803.04]			
D. Comments:			

X. SIGNS AND POSTINGS:

	Yes	No	N/A
A. Legible signs are posted at or near each public entrance to the facility. [Env-Wm 2805.05(a)]			
B. The required signs shall include: [Env-Wm 2805.05(b)]			
1. Facility name: _____			
2. Permit number: _____			

3.	Permittee name: _____ Permittee address: _____ Permittee telephone number: _____			
4.	The days and hours the facility shall be open to receive waste (Note the hours): M ____ T ____ W ____ Th ____ F ____ S ____ Su ____			
5.	The type of wastes accepted: _____ _____ _____			
6.	A statement that unlawful dumping shall be subject to fine and prosecution: _____ ____			
C.	A copy of the permit, including a complete copy of the last approved operating plan of record and a complete copy of the last approved closure plan of record, are maintained at a location accessible to facility operators. [Env-Wm 2805.05(c)]			
D.	A copy of the authorization page of the permit bearing the permit number and the authorization signature, is prominently displayed at the facility. [Env-Wm 2805.05(d)]			
E.	Pursuant to RSA 149-M:10,II, municipalities and waste haulers have affixed ownership identification and/or facility or company logo to all waste containers used in conjunction with the operation of the facility. [Env-Wm 2704.07(b)]			
F.	Comments:			

XI. ROADS AND TRAFFIC CONTROL:			
	Yes	No	N/A
A.			
B.			
C.			
D.			
E.			

	2704.02(f)]			
F.	The on-site road surface and the road base appear to be suitable for heavy vehicles and capable of withstanding expected loads. [Env-Wm 2704.02(g)]			
G.	Comments:			

XII. RECEIPT AND MANAGEMENT OF WASTE/RESIDUALS:

		Yes	No	N/A
A.	Facility accepts only authorized wastes, as specified in the permit. [Env-Wm 2805.09(a)]			
B.	Residual waste is properly managed. [Env-Wm 2805.10(a)]			
C.	The facility maintains access to at least 2 authorized locations where adequate capacity exists to handle the type and quantity of all residual waste, excluding landfill decomposition gas, that the facility regularly generates during its operating life. [Env-Wm 2805.10(b)]			
D.	The facility, if it receives motor vehicle wastes, provides for separation of such wastes. [Env-Wm 2704.06]			
E.	Comments:			

XIII. WASTE PLACEMENT:

		Yes	No	N/A
A.	Waste is placed only within the permitted vertical and lateral limits of the landfill. [Env-Wm 2506.02(b)]			
B.	Waste is placed in a controlled manner, in accordance with the fill sequencing plans. [Env-Wm 2506.02(c)]			
C.	Does the fill sequencing limit the quantity of leachate generated through grading and covering techniques and can the maximum amount of precipitation be handled as stormwater? [Env-Wm 2506.02(d)]			

D.	Unloading of waste is confined to the smallest practical area. [Env-Wm 2506.02(e)]			
E.	Exposed waste on the working face of the landfill is limited to reduce precipitation contact with the waste and to allow the area to be covered as required pursuant to Env-Wm 2506.03. [Env-Wm 2506.02(f)]			
F.	All waste is evenly spread in shallow lifts and compacted, in accordance with plans and procedures which: [Env-Wm 2506.02(g)]			
1.	Assure stability.			
2.	Limit potential future settlement.			
3.	Limit rainfall infiltration.			
4.	Is consistent with progressive development of final grades.			
G.	The first layer of waste placed above the leachate collection layer is a minimum of 4 feet in compacted thickness and is of a select nature containing no large or rigid objects, such as pipes or posts, that might cause damage to the liner system or instability. [Env-Wm 2506.02(h)]			
H.	Equipment for spreading, compacting and covering solid wastes under all anticipated weather conditions is available and in operating condition at all times. [Env-Wm 2506.09(a)] Equipment available: _____			
I.	Auxiliary equipment is available as required by the facility's operating plan. [Env-Wm 2506.09(b)] Equipment available: _____ _____			
J.	Salvaging of solid waste is controlled so it does not interfere with landfill operations and does not harbor vectors or otherwise result in violating the universal facility requirements. [Env-Wm 2506.09(c)]			
K.	Comments:			

XIV. MANAGEMENT OF CERTAIN WASTES:

	Yes	No	N/A
A. Asbestos			
1. Facility is authorized to accept asbestos. [Env-Wm 2601.04(a)]			
2. Does facility accept asbestos:			
3. Appropriate personnel protective equipment available. [Env-Wm 2601.04(c)(1)]			

	Type of PPE: _____			
4.	Staff appropriately trained to handle asbestos. [Env-Wm 2601.04(c)(2)] Staff member name(s): _____ Training: _____			
5.	Equipment on-site for wetting asbestos. [Env-Wm 2601.04(c)(3)] Type of equipment: _____			
6.	Decontamination equipment on-site. [Env-Wm 2601.04(c)(4)] Type of equipment: _____			
7.	Records including a map or diagram of the disposal area identifying the location, depth, area and quantity of asbestos waste landfilled are maintained at the facility. [Env-Wm 2601.04(h)]			
8.	Comments:			
B.	Ash			
1.	Facility is authorized to accept ash. [Env-Wm 2602.04(a)]			
2.	The facility accepts ash.			
3.	Do provisions exist for inspection of loads to determine whether the load is hot? [Env-Wm 2602.04(c)]			
4.	Do provisions exist to segregate hot loads until contained and extinguished? [Env-Wm 2602.04(e)]			
5.	Comments:			
C.	Contaminated Soils and Media			
		Yes	No	N/A
1.	Facility is authorized to accept contaminated soils and media. [Env-Wm 2603.04(a)]			
2.	The facility accepts contaminated soil and media.			
3.	Contaminated soil and absorbent media is tested in accordance with Env-Wm 2603.07 and the facility's permit. [Env-Wm 2603.04(b)]			
4.	If used as daily cover, is the material stored in the active footprint of the landfill? [Env-Wm 2603.05(b)(3)]			

5.	Comments:			
D.	Infectious Waste			
1.	Facility is authorized to accept infectious waste. [Env-Wm 2604.04(b)]			
2.	The facility accepts treated infectious waste.			
3.	Infectious waste has been treated to achieve the standard specified in Env-Wm 2604.03(a). [Env-Wm 2604.04(a)]			
4.	Comments:			
E.	Tires			
1.	Facility is authorized to accept tires. [Env-Wm 2605.04(a)]			
2.	The facility accepts tires.			
3.	Tires are landfilled in a manner that preclude movement of the tires after burial, such as shredding, splitting or quartering the tires or filling the tires. [Env-Wm 2605.04(a)]			
4.	Comments:			

XV. LANDFILL COVER DURING OPERATIONS:

A.	Type of cover material being used: Natural soil: Geosynthetic tarps: Casting sands: Certified waste: Contaminated soil:			
		Yes	No	N/A
B.	Cover material is applied over all sides and working faces of the landfill in a manner, and at a frequency, required to achieve the following performance objectives: [Env-Wm 2506.03(a)]			
1.	Minimize the dispersal of offensive odors.			
2.	Minimize the potential to attract and harbor vectors.			
		Yes	No	N/A
3.	Promote the drainage of water away from the landfill.			
4.	Control unsightly conditions and windblown waste.			
5.	Reduce the potential for fire.			
6.	Provide stability.			

7.	Provide proper development of final grades.			
C.	Cover material is placed no less frequently than at the end of each operating day for landfills receiving MSW. [Env-Wm 2506.03(c)]			
D.	Comments:			

XVI. LEACHATE MANAGEMENT REQUIREMENTS:

A.	Leachate Management System: 1. Collection System: Tanks ____ Detention ponds ____ Direct connection to WWTP ____ 2. Leachate Treatment/Disposal: On-site treatment On-site recirculation Off-site disposal			
		Yes	No	N/A
B.	Leachate is collected and removed from the liner system(s) to an approved treatment or disposal facility. [Env-Wm 2506.05(a)]			
C.	Hydraulic head during routine facility operations is not more than one foot on the liner system. [Env-Wm 2506.05(b)(1)]			
D.	The quantity of leachate generated at the facility shall be limited to the extent possible, by properly planning the sequenced development of the facility, properly managing stormwater infiltration and inflow, minimizing the active area of the landfill and applying cover in accordance with Env-Wm 2506.03. [Env-Wm 2506.05(b)(2)]			
E.	No less than 2 locations for leachate treatment or disposal shall be available by written agreement to manage the quantity of leachate generated by the facility. [Env-Wm 2506.05(b)(3)] Location 1: _____ Location 2: _____			
F.	Facility operations pump and remove leachate on a schedule that assures available storage capacity. [Env-Wm 2506.05(d)]			
G.	Regularly-scheduled inspections and routine maintenance of leachate collection and removal systems has occurred to limit clogging of the systems and to otherwise assure the functional integrity of the systems. [Env-Wm 2506.05(e)] Date of last inspection: _____ Date of last system maintenance: _____			
H.	Comments:			

XVII. GROUNDWATER AND SURFACE WATER MONITORINGS:

A.	Monitoring Wells: 1. Installation Date(s): _____ 2. Number: _____ 3. Integrity: _____ 4. Locks: _____ 5. Well Settlement: _____
B.	Relationship of waste handling areas to well locations: _____
C.	Date of last groundwater monitoring well/surface water sampling and analysis: _____
D.	Substances detected in monitoring wells and surface water that exceed water quality standards, and identification of locations where samples were collected: _____ _____ _____

XVIII. STORMWATER MANAGEMENT REQUIREMENTS:

	Yes	No	N/A
A. Controls exist to divert run-on around or away from the facility. [Env-Wm 2505.09(a)(1)]			
B. Controls exist to discharge run-off from the facility. [Env-Wm 2505.09(a)(2)]			
C. Controls exist to minimize erosion, sedimentation , siltation, and flooding. [Env-Wm 2505.09(a)(3)]			
D. Controls exist to minimize the generation of leachate. [Env-Wm 2505.09(a)(4)]			
E. The stormwater management system functions effectively during frozen ground conditions. [Env-Wm 2505.09(e)]			
F. All stormwater that contacts waste is managed as leachate unless analytical characterization demonstrates the liquid may be lawfully discharged to ground or surface waters without treatment. [Env-Wm 2505.09(h)]			

G. Comments:

XIX. DECOMPOSITION GAS CONTROL:

- A. A decomposition gas monitoring program shall be implemented by the permittee in accordance with provisions in the facility's approved operating plan and closure plan. [Env-Wm 2506.07(c)]
1. Date of approval of landfill gas monitoring plan: _____
 2. Date of last round of landfill gas monitoring: _____
 3. Identification of monitoring points and concentrations where gas concentrations have exceeded regulatory limits.

B. Comments:

XX. INSPECTIONS, MAINTENANCE AND MONITORING:

	Yes	No	N/A
A. The Permittee regularly inspects and maintains all facility components: roads, berms, active and inactive filling areas, pipes, vaults, valves, tanks ponds, equipment, temporary, intermediate and final cover, groundwater monitoring wells and gas management devices. [Env-Wm 2506.08(c)]			
B. Leachate management systems are monitored and the data recorded. [Env-Wm 2506.08(d)]			
C. Landfill gas concentrations are measured no less than quarterly. [Env-Wm 2506.08(e)]			
D. Groundwater and surface water quality is monitored pursuant to RSA 485-A. [Env-Wm 2506.08(f)]			

E. Comments:

XXI. FINANCIAL ASSURANCE:

	Yes	No	N/A
A. The Permittee has an approved financial assurance plan. [Env-Wm 3103.01(a)] Financial Assurance Mechanism: Irrevocable letter of credit ____ Insurance policy ____ Surety bond ____ Trust fund ____ Binding commitment for SRF loan ____ Local gov't financial test ____			

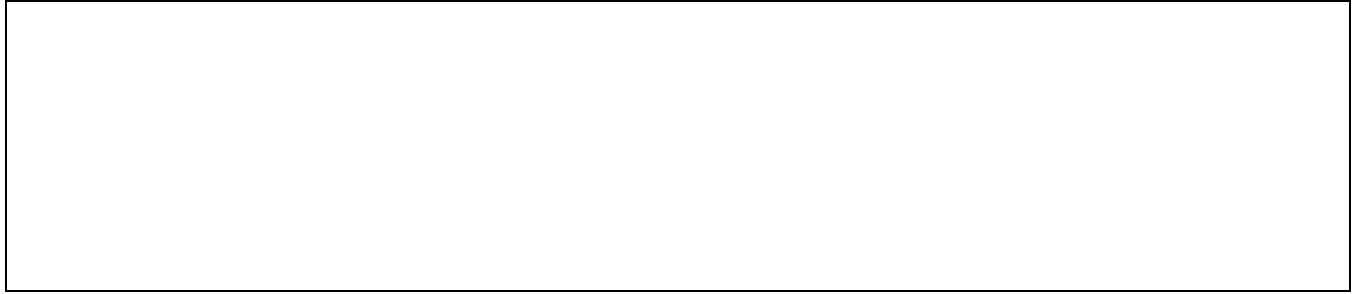
Local gov't guarantee ____ Other ____			
B. The Permittee has submitted the annual update of the facility's closure cost. [Env-Wm 3105.02(a)] Date estimate was received: _____ Amount of estimate: _____			
C. The financial assurance mechanism is consistent with the most current closure cost estimate: [Env-Wm 3103.05(b)]			

XXII. COMPLIANCE WITH CONDITIONS SPECIFIC TO THE FACILITY'S PERMIT:

A. Comments:

XXIII. SUMMARY OF INSPECTION:

A. Comments:



Prepared: 12-9-97